

White Rock Dam and White Rock Lake

OWNER

City of Dallas.

ENGINEER (Design)

Forrest and Cotton, Inc. are consultants on maintenance of the present dam.

LOCATION

On White Rock Creek in Dallas County, within the city limits of Dallas.

DRAINAGE AREA

100 square miles.

DAM

Type	Earthfill
Length	2,100 ft
Height	40 ft
Top width	20 ft

SPILLWAY

Location	Left end of the dam
Type	Broad-crested (uncontrolled)
Crest length	450 ft
Crest elevation	458.0 ft above msl
Control	2 weir type notches about 2.5 ft deep by 10 ft long, normally sealed with flash boards.

OUTLET WORKS

Dallas Power and Light uses water direct from the lake for a steam-electric generating plant. Now used only for standby service. City of Dallas uses water direct from the lake for an emergency water supply. The lake is used for recreational purposes.

STATE AUTHORIZATION

Certificate of Filing No. 75 April 29, 1914, covers rights for constructing a dam to create a reservoir for municipal water supply. This filing includes other water rights.

RESERVOIR DATA (Elevations and capacity based on U.S. Soil Conservation 1970 survey)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	468.5	—	—
Spillway crest	458.0	18,160*	1,254**
Spillway crest	458.0	12,300**	1,095***
Spillway crest	458.0	10,740***	1,119***
Usable conservation storage space	—	10,740	—

\* Based on original survey.  
\*\* Based on 1956 survey.  
\*\*\* Based on 1970 survey.

GENERAL

Construction started	1910
Dam completed	1911
Impoundment of water began	1910
Diversion for municipal use began	July 9, 1911

